

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-3 are cancelled.

4. (Previously Presented) A method of managing storage resources associated with a network having at least one storage resource coupled to at least one server and at least one client over at least one data path, wherein said server manages said storage resources over said data path, and wherein said client directs I/O requests to said storage resources and redirects I/O requests to said server upon the detection of a failure condition, the method further includes:

allocation of a new storage space from said storage resource in response to a receipt of a failure condition from a client;

initiation of the recovery of the contents associated with said failure condition in cooperation with said new storage space; and

communication of a recovery status to said client, wherein said client and said server continue said recovery based on said recovery status.

5. (Previously Presented) The method of claim 4 wherein said new storage space includes a new disk associated with a new physical storage resource.

6. Cancelled.

7. (Previously Presented) A method of managing storage resources associated with a network having at least one storage resource coupled to at least one server and at least one client over at least one data path, wherein said server manages said storage resources over said data path, and wherein said client directs I/O requests to said storage resources and redirects I/O

requests to said server upon the detection of a failure condition, the method which further includes:

providing a copy of unmodified data blocks before modifying said data blocks; and  
communicating a list of said modified data blocks to a backup process residing on said server, wherein said backup process uses a pseudo-device to read said unmodified and modified data blocks.

Claims 8-11 are cancelled.

12. (Previously Presented) A distributed shared storage resource management system comprising:

at least one storage resource coupled to at least one server and at least one client over at least one data path, wherein said server manages said storage resource over said data path, and said client directs I/O requests to said storage resource and redirects said I/O requests to said server upon the detection of a failure condition, wherein said server is configured to:

allocate a new storage space from said storage resource in response to a receipt of a failure condition from a client;

initiate the recovery of the contents associated with said failure condition in cooperation with said new storage space; and

communicate to said client the recovery status, wherein said client and said server continue said recovery based on said recovery status.

13. (Previously Presented) The system of claim 12 wherein said new storage space includes a new disk associated with new physical storage resource.

14. Cancelled.

15. (Previously Presented) A distributed shared storage resource management system comprising:

at least one storage resource coupled to at least one server and at least one client over at least one data path, wherein said server manages said storage resource over said data path, and said client directs I/O requests to said storage resource and redirects said I/O requests to said server upon the detection of a failure condition, wherein said client is configured to:

provide a copy of unmodified data blocks before modifying said unmodified data blocks;  
and

communicate a list of said modified data blocks to a backup process residing on said server, wherein said backup process uses a pseudo-device to read said unmodified and modified data blocks.

Claims 16-19 are cancelled.

20. (Previously Presented) An article comprising a computer-readable medium that stores computer executable instructions for causing a computer in a distributed shared storage resource management system which comprises at least one storage resource coupled to at least one server and at least one client over at least one data path, wherein said computer executable instructions cause said server to manage said storage resource over said data path, and said client to direct I/O requests to said storage resource and redirect said I/O requests to said server upon the detection of a failure condition, the article further comprising instructions to:

allocate a new storage space from said storage resource in response to a receipt of a failure condition from a client;

initiate a recovery of the contents associated with said failure condition in cooperation with said new storage space; and

communicate a recovery status to said client, wherein said client and said server continue said recovery based on said recovery status.

21. (Previously Presented) The article of claim 20 wherein said new storage space includes a new disk associated with a new physical storage resource.

22. Cancelled.

23. (Previously Presented) An article comprising a computer-readable medium that stores computer executable instructions for causing a computer in a distributed shared storage resource management system which comprises at least one storage resource coupled to at least one server and at least one client over at least one data path, wherein said computer executable instructions cause said server to manage said storage resource over said data path, and said client to direct I/O requests to said storage resource and redirect said I/O requests to said server upon the detection of a failure condition, the article further comprising instructions to:

provide a copy of unmodified data blocks before modifying said unmodified data blocks;  
and

communicate a list of said modified data blocks to a backup process residing on the server, wherein said backup process uses a pseudo-device to read said unmodified and modified data blocks.

Claims 24-25 are cancelled.